

# BASEBAND CARD ARCHITECTURE FOR A BASE TRANSCEIVER STATION

## Abstract

A baseband card for a base transceiver station of a cellular communications network includes a receive unit containing at least one receive module for receiving an uplink data from an RF signal processing unit and a first interface for sending and receiving data. The baseband card also includes a transmit unit containing a second interface for communicating with the receive unit, a third interface for communicating with the cellular communications network, an interface controller for receiving the uplink data from the receive unit via the first and second interfaces and for transmitting the uplink data to the cellular communications network via the third interface, and at least one transmit module for transmitting a downlink data received from the cellular communications network through the third interface and the interface controller to the RF signal processing unit.